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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/422,838	10/22/1999	CHUAN-FA LIU	01017/36263	6047
7590 12/10/2003			EXAMINER	
MARSHALL O'TOOLE GERSTEIN			BORIN, MICHAEL L	
MURRAY & BORUN 6300 SEARS TOWER 233 S WACKER DRIVE CHICAGO, IL 606066402			ART UNIT	PAPER NUMBER
			1631	
			DATE MAILED: 12/10/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

16		· · · · · · · · · · · · · · · · · · ·	2		
	Application No.	Applicant(s)	_		
	09/422,838	LIU ET AL.			
Office Action Summary	Examiner	Art Unit			
	Michael Borin	1631	_		
The MAILING DATE of this communication apperiod for Reply	opears on the cover sheet with the o	correspondence address			
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perior - Failure to reply within the set or extended period for reply will, by statu. - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). Status	. 136(a). In no event, however, may a reply be tirply within the statutory minimum of thirty (30) day d will apply and will expire SIX (6) MONTHS from the cause the application to become ABANDONE.	mely filed ys will be considered timely. the mailing date of this communication. ED (35 U.S.C. & 133)			
1) Responsive to communication(s) filed on 10	October 2003.				
	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
 4) Claim(s) 1-34 is/are pending in the application. 4a) Of the above claim(s) 1,3-23,25,26 and 28-34 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1,2 and 27 is/are rejected. 7) Claim(s) 7,16 and 24 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Application Papers	or crossion rogali omona.				
9) The specification is objected to by the Examin	er.				
10) The drawing(s) filed on is/are: a) ac		Examiner.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).					
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached Office	Action or form PTO-152.			
Priority under 35 U.S.C. §§ 119 and 120					
12) Acknowledgment is made of a claim for foreignal All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list 13) Acknowledgment is made of a claim for domest since a specific reference was included in the first 37 CFR 1.78. a) The translation of the foreign language profile 14) Acknowledgment is made of a claim for domest reference was included in the first sentence of the foreign language profile 14.	ats have been received. Ats have been received in Application of the certified copies not receive the priority under 35 U.S.C. § 119(exerts sentence of the specification or covisional application has been received priority under 35 U.S.C. §§ 120	on No ed in this National Stage d. e) (to a provisional application) in an Application Data Sheet. eived. and/or 121 since a specific			
Attachment(s)					
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informal Pa	(PTO-413) Paper No(s) atent Application (PTO-152)			
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DETAILED ACTION

Status of Claims

Claims 1-34 are pending. Claims 17-23,25,26,28-34 remain withdrawn from consideration as drawn to non-elected groups of inventions, and claims 3-6,8-15 remain withdrawn from consideration as drawn to non-elected species.

As stated in the previous Office action, the elected species, SEQ ID No. 34, as well as subject matter of claims 7,16,24, had been found to be free of prior art. Consequently, Examiner has extended his search to a reasonable number of additional species encompassed by claim 1,2. Claims 1,2,27 were rejected under 35 U.S.C. 102(e) as anticipated by Dower et al. (US Patent 6,251,864). Applicant argues that the priority document for US Patent 6,251,864, application 08/699027, did not contain information on dimers used in the rejection. Examiner found the argument convincing; in response the reference is replaced by another patent of Dower et al. Claims 3-6,8-15 remain withdrawn from consideration as drawn to non-elected species.

Claim Rejections - 35 USC § 102.

The following is a quotation of the appropriate paragraphs of 35 U.S.C.102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

Claims 1,2,27 are rejected under 35 U.S.C. 102(e) as anticipated by Dower et al. (US Patent 5,869,451; filed 12/11/1996).

⁽e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

Dower et al. teach peptide binding to thrombopoietin receptor and compositions thereof. The peptides are preferably dimerized, to increase affinity and/or activity of compounds. In particular, the reference teaches dimer

ADGPTLREWISF(Ava)ADGPTLREWISF

which is a dimer comprising sequence ADGPTLREWI which reads on the structure X2-X10 of TMP identified in claims 1,2. See table 13, compound SEQ ID 231. The referenced dimers read on the dimers generally described in claim 1, and more specifically identified in claim 2, wherein X1=Ala, X11=Ser, X12=Phe.

It is the Examiners position that all the elements of Applicant's invention with respect to the specified claims are instantly disclosed by the teaching of the reference.

Conclusion.

Claims 7,16,24 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 7,16,24 are novel and unobvious over the prior art of record or any combination thereof. The prior art of record does not teach or suggest dimers of SEQ ID No. 1 connected from C-terminus of one monomer to N-terminus of the other. US Patent 6,251,864, as well as other patents of the inventors of the referenced patent, teach dimers of the instantly claimed SEQ ID No. 1 connected head-to-head with their C-terminals. See, e.g., US Patent 6,251,864, col. 6,13,56.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Borin whose telephone number is (703) 305-4506. Dr. Borin can normally be reached between the hours of 8:30 A.M. to 5:00 P.M. EST Monday to

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Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Michael Woodward, can be reached on (703) 308-4028. The fax telephone number for this group is (703) 305-3014.

Any inquiry of a general nature or relating the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0196.

12/2/03 mlb MICHAEL BORIN, PH.D PRIMARY EXAMINER